

WHAT IS CLAIMED IS:

1. An electronic apparatus comprising:
 - a communication device that executes communication with an external device;
 - 5 an input device;
 - means for selecting one of a first communication mode and a second communication mode in accordance with an operation of the input device; and
 - means for, when the first communication mode is selected, controlling one-way communication to transmit content data from the communication device to the external device with a first quality and for, when the second communication mode is selected, controlling two-way communication to transmit and receive content data between the communication device and the external device with a second quality which is lower than the first quality.
2. The electronic apparatus according to claim 1, further comprising:
 - 20 a display device; and
 - means for displaying a first icon and a second icon corresponding to the first communication mode and the second communication mode, respectively, on a display screen of the display device,
 - 25 wherein the selecting means includes means for selecting the first communication mode when the first icon is selected by an operation of the input device,

and selecting the second communication mode when the second icon is selected by an operation of the input device.

3. The electronic apparatus according to claim 1,
5 wherein the controlling means includes means for
controlling communication between the communication
device and the external device such that content data
compression-encoded by a first compression-encoding
scheme is transmitted from the communication device to
10 the external device when the first communication mode
is selected, and content data compression-encoded by
a second compression-encoding scheme is transmitted
and received between the communication device and the
external device when the second communication mode is
15 selected.

4. The electronic apparatus according to claim 1,
wherein the controlling means includes means for
controlling communication between the communication
device and the external device such that content data
sampled with a first sampling frequency is transmitted
20 from the communication device to the external device
when the first communication mode is selected, and
content data sampled with a second sampling frequency,
which is lower than the first sampling frequency, is
transmitted and received between the communication
25 device and the external device when the second
communication mode is selected.

5. The electronic apparatus according to claim 1,
further comprising means for storing first parameter
information indicative of a kind of compression-
encoding to be used in the first communication mode
and a value of a sampling frequency used in the
compression-encoding, and second parameter information
indicative of a kind of compression-encoding to be
used in the second communication mode and a value of
a sampling frequency used in this compression-encoding,
10 wherein the controlling means includes means for
setting communication conditions for the one-way
communication in the communication device and the
external device in accordance with the first parameter
information when the first communication mode is
selected, and setting communication conditions for
the two-way communication in the communication device
and the external device in accordance with the second
parameter information when the second communication
mode is selected.

20 6. The electronic apparatus according to claim 1,
wherein the external device is a headset including
a speaker and a microphone,

25 the electronic apparatus further comprises means
for storing first parameter information indicative of
communication conditions for transmitting audio data
with the first quality and second parameter information
indicative of communication conditions for transmitting

audio data with the second quality, and
the controlling means includes means for setting
communication conditions for the one-way communication
in the communication device and the external device in
accordance with the first parameter information when
5 the first communication mode is selected, and setting
communication conditions for the two-way communication
in the communication device and the external device in
accordance with the second parameter information when
10 the second communication mode is selected.

7. A program for controlling communication with
an external device, which is stored in a computer-
readable medium and executed by a computer, comprising:

15 causing the computer to select one of a first
communication mode and a second communication mode in
accordance with an operation of an input device of the
computer; and

20 causing the computer to execute one-way
communication to transmit content data from the
computer to the external device with a first quality
when the first communication mode is selected; and

25 causing the computer to execute two-way
communication to transmit and receive content data
between the computer and the external device with a
second quality, which is lower than the first quality,
when the second communication mode is selected.

8. The program according to claim 7, further

comprising:

causing the computer to display a first icon and a second icon corresponding to the first communication mode and the second communication mode, respectively,
5 on a display device of the computer,

wherein the selecting includes causing the computer to select the first communication mode when the first icon is selected by an operation of the input device, and causing the computer to select the second communication mode when the second icon is selected by
10 an operation of the input device.

9. The program according to claim 7, wherein the executing of the one-way communication includes causing the computer to transmit content data compression-encoded by a first compression-encoding scheme to the external device, and
15

the executing of the two-way communication includes causing the computer to transmit and receive content data compression-encoded by a second compression-encoding scheme between the computer and the external device.
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10. The program according to claim 7, wherein the executing of the one-way communication includes causing the computer to transmit content data sampled with a first sampling frequency to the external device, and
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the executing of the two-way communication includes causing the computer to transmit and receive

content data sampled with a second sampling frequency, which is lower than the first sampling frequency, between the computer and the external device.

11. The program according to claim 7, wherein the
5 executing of the one-way communication includes causing the computer to execute the one-way communication in accordance with first parameter information indicative of a kind of compression-encoding to be used in the first communication mode and a value of a sampling
10 frequency used in the compression-encoding, and

the executing of the two-way communication includes causing the computer to execute the two-way communication in accordance with second parameter information indicative of a kind of compression-encoding to be used in the second communication mode
15 and a value of a sampling frequency used in this compression-encoding.

12. The program according to claim 7, wherein the
external device is a headset including a speaker and
20 a microphone,

the executing of the one-way communication includes causing the computer to execute the one-way communication in accordance with first parameter information indicative of communication conditions for transmitting audio data with the first quality, and
25 the executing of the two-way communication includes causing the computer to execute the two-way

communication in accordance with second parameter
information indicative of communication conditions for
transmitting audio data with the second quality.